

FIG. 1

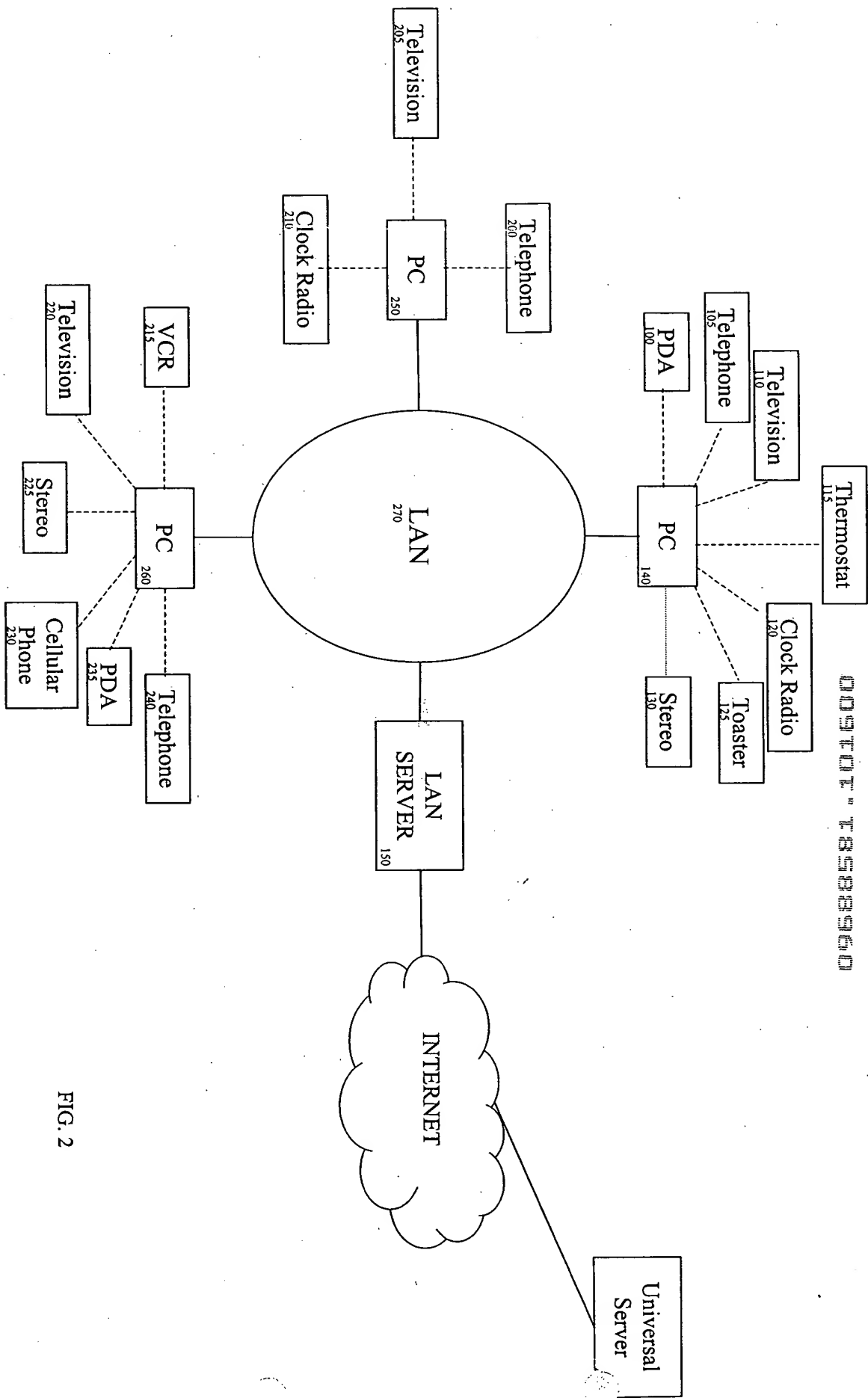


FIG. 2

ProxiWorld Knowledge Table 300 (for a PC)

305 Client Name (i.e., end appliance)	310 Client Serial Number	315 Client IP Address	320 Processor	325 Operating System	330 Memory	335 Features Loaded	340 Features Active
PDA 100	11199OEM0004163795998	10.1.1.95	Intel Pentium III 500 MHz	Microsoft Windows version 4.0	8KB	MP3 Player email reader	MP3 Player
Telephone 105	MAC:11-03-D3-F2-D1-16	10.1.1.96	Intel Pentium III 500 MHz	Vx Works version 1.5	4KB	email reader	
Television 110							
Thermostat 115							
Clock Radio 120							
Toaster 125							
Stereo 130							

FIG. 3

ProxiWorld Knowledge Table 400 (for the LAN Server)

405 Client Name (i.e., PC)	410 Client Serial Number	415 Client IP Address	420 Processor	425 Operating System	430 Features Loaded	435 Features Active
PC 140	PC12345	10.1.2.90	Intel Pentium III 500 MHz		MP3 Player email reader Wave Player PCM Player	MP3 Player Wave Player
PC 250	PC67890	10.1.2.91	Intel Pentium III 500 MHz			
PC 260	PC45678	10.1.2.92	Intel Pentium III 500 MHz			

FIG. 4

Resource File Registry 500 (for the end appliance)

505 Resource Name	510 Resource Type	515 Resource Version	520 Resource URL	525 Resource Platform
MP3-Player	Feature Description	1	<u>file:///portal/data/features/Mp3Player.feature</u>	N/A
MP3	Protocol Description	1	<u>file:///portal/data/mp3/mp3.protocol</u>	N/A
MP3	Protocol	1	<u>file:///portal/data/mp3/win32/mp3.d11</u>	Win 32
Audio Library	Driver	1	<u>file:///portal/data/audiolib/vxworks/audiolib.d11</u>	Vx Works
Audio Class	Label Class	1	<u>file:///portal/data/classaudio/wince/audioclass.d11</u>	Win CE

FIG. 5

Resource File Registry 600 (for the PC)

605 Resource Name	610 Resource Type	615 Resource Version	620 Resource URL	625 Resource Platform
MP3-Player	Feature Description	1	file:///portal/data/features/Mp3Player.feature	N/A
MP3	Protocol Description	1	file:///portal/data/mp3/mp3.protocol	N/A
MP3	Protocol	1	file:///portal/data/mp3/win32/mp3.d11	Win 32
MP3	Protocol	1	file:///portal/data/mp3/vxworks/mp3.d11	Vx Works
Audio Library	Driver	1	file:///portal/data/audiolibrary/win32/audiolib.d11	Win 32
Audio Class	Label Class	1	file:///portal/data/classaudio/win32/audioda.d11	Win 32

FIG. 6

Feature Description Table 700

705 Feature Name	710 Feature Active	715 Sub-Features	720 Default Targets	725 Mappings	730 Aliases	735 Protocols	740 Label Classes	745 Interface Implementations	750 Certification
MP3 Player	Yes	MP3 Decoder PCM Player	MP3 targets speaker	MP3 decoder → PCM player → speaker	MP3 decoder output = PCM player input	MP3	MP3-to-speaker decoder		A
MP3 Player	Yes	MP3 Decoder PCM Player	MP3 targets speaker	MP3 decoder → PCM player → speaker	MP3 decoder output = PCM player input	MP3	MP3-to-speaker decoder		B
Wave Player	Yes	Wave Decoder PCM Player	Wave targets speaker	Wave decoder → PCM player → speaker	Wave decoder output = PCM player input	Wave	Wave-to- speaker decoder		
MP3 Decoder									
PCM Player									
Wave Decoder									

FIG. 7

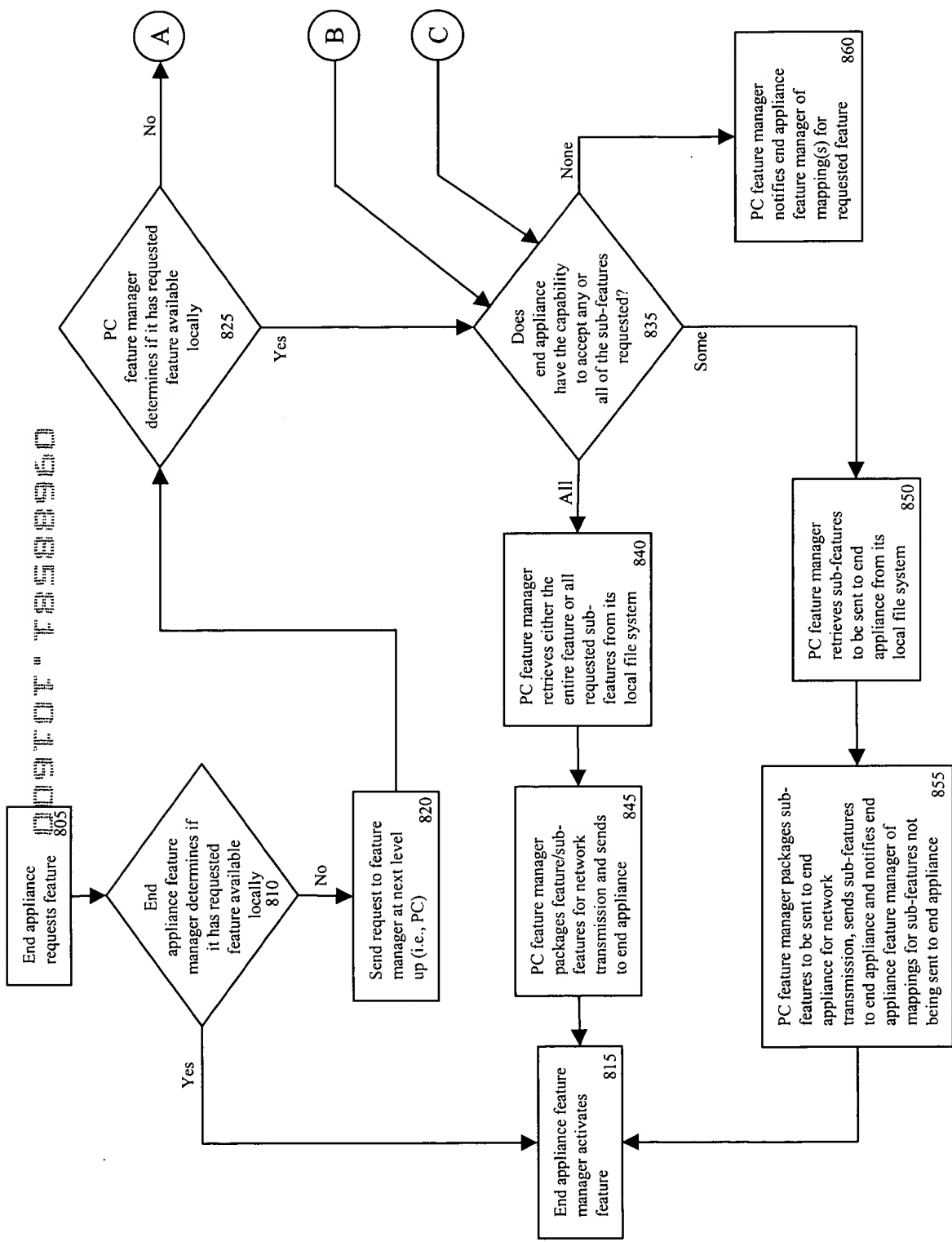


FIG. 8A

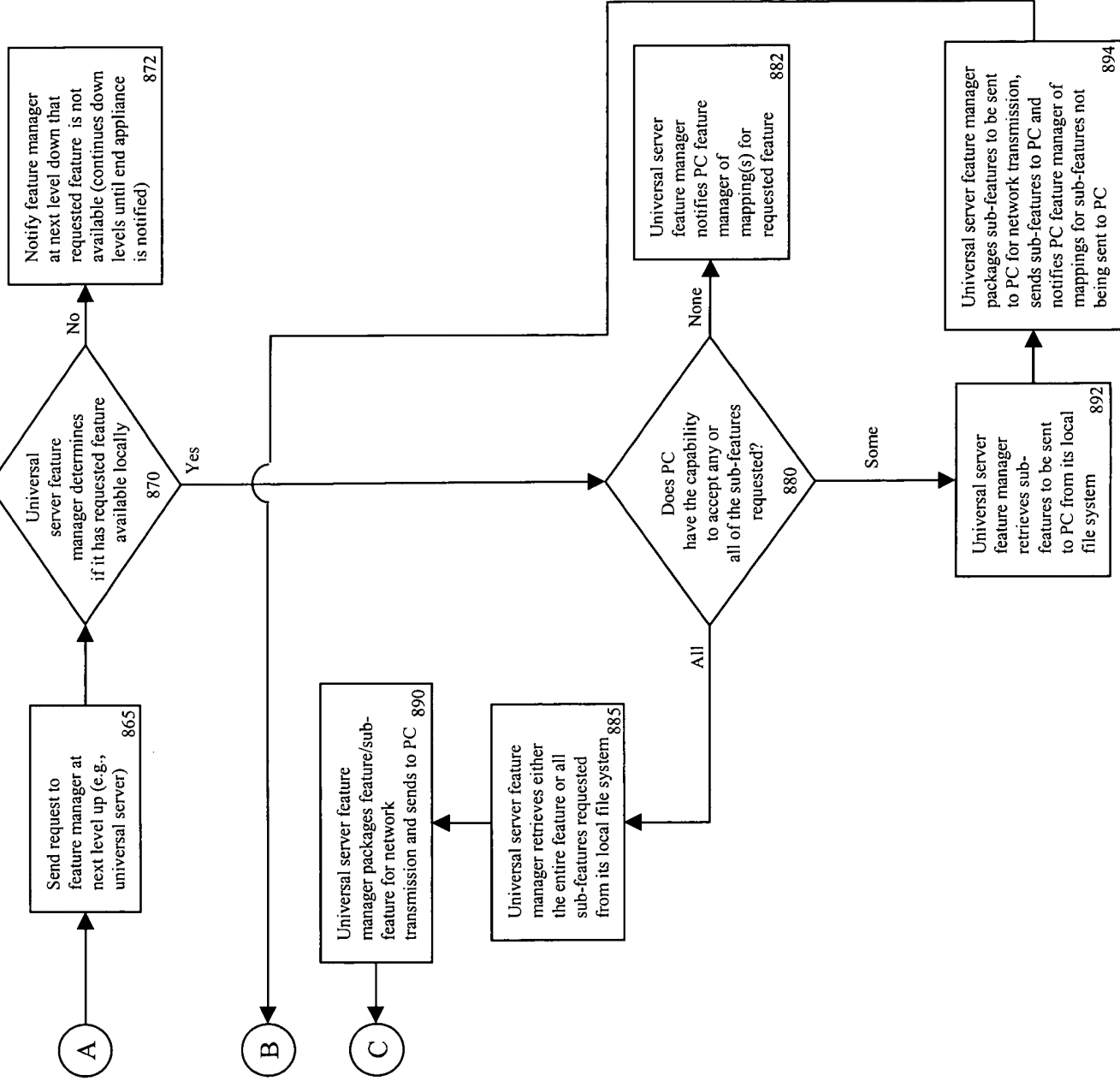


FIG. 8B

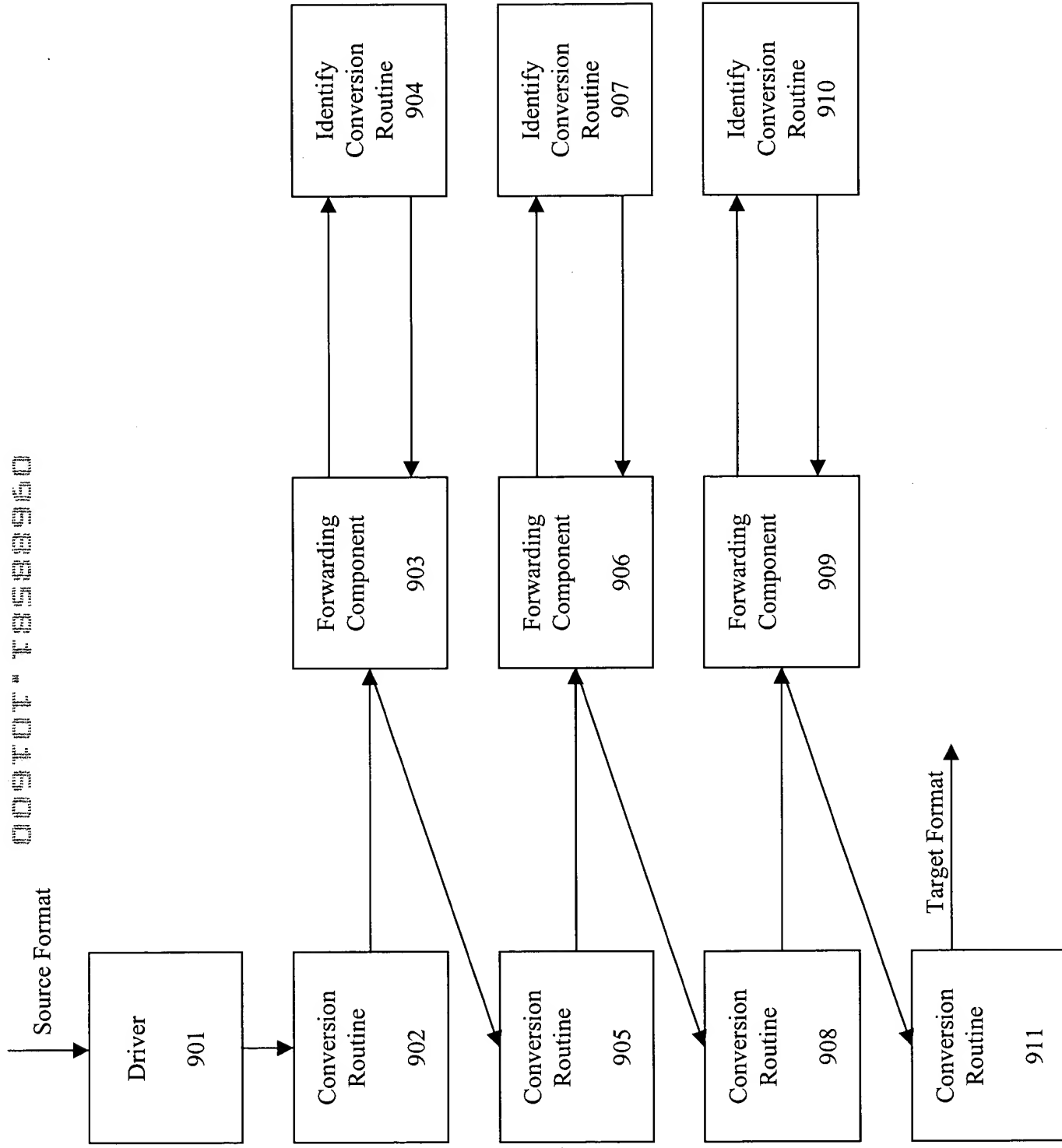


FIG. 9

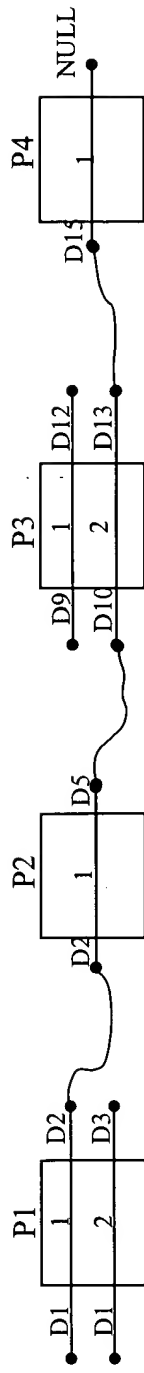


FIG. 10

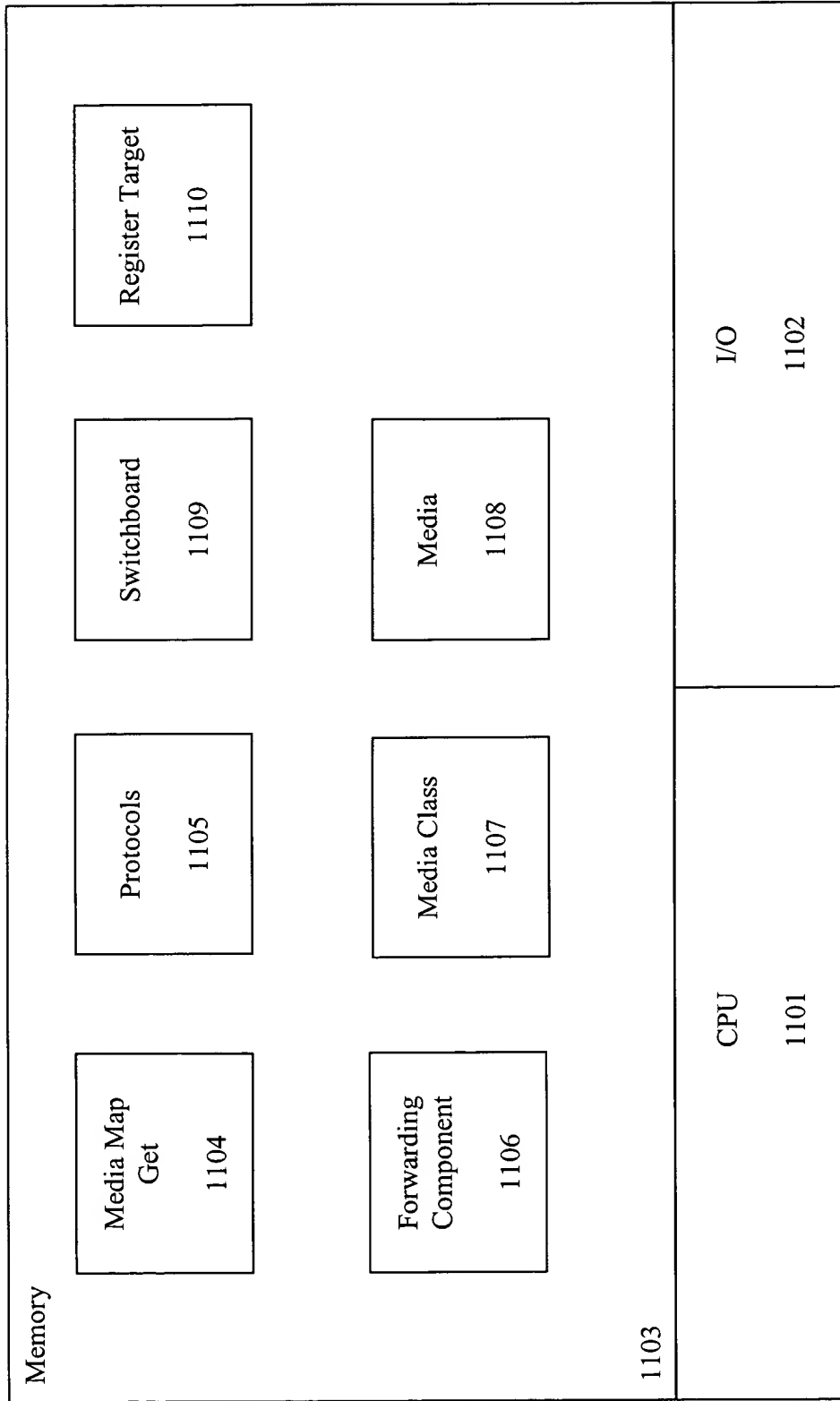


FIG. 11